

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 02-288528 (71)Applicant : HITACHI LTD

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(54) DISK SECURITY SYSTEM AND APPARATUS

(57)Abstract:

PURPOSE: To perform disk security by recording encryption of management information recorded in a management storage.

CONSTITUTION: When a user gets access to a storage medium 14, an encryption key and a decoding key are inputted and, when a file is anew written in, further a data translation key is inputted. When file management information is written in the storage medium 14, the file management information encrypted by using the inputted encryption key and an encryption circuit 7 is written in the storage medium 14. On the contrary, when the file management information is read out, a cryptogram is translated to a plaintext by using the decoding key and a decoding circuit 8. Therefore, since one who does not know the encryption key and the decoding key can not get access to the file management information, it is difficult to duly get access to the file in the storage

medium 14 after all and the file management information in the storage medium is encrypted. Thus, security is enabled on the storage medium 14 by itself.

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